

Catalyzed Bisulfite Case Study



	Ammonium Bisulfite	Hydrite's Catalyzed Bisulfite
VOC's (lb/HR)	7.00	5.01
Total HAP's (lb/HR)	0.909	0.205
HAP Control Efficiency (ppm)	10.4	2.7
Scrubber Water Flow (gpm)	126	96
Bisulfite Dose (ml/min)	250	250
Beer Feed Rate (gpm)	1350	1470
Scrubber Water Temp (F)	57.8	61.0

Using Hydrite's Catalyzed Bisulfites, a 110MGPY Ethanol Plant saw a:

- **77%** Reduction in Total HAP's
- **74%** Improvement in HAP Control Efficiency
- **28%** Reduction in VOC's
- **24%** Reduction in Scrubber Water

All these improvements while at a faster plant rate, with warmer scrubber water, and using the same bisulfite dose.

Hydrite specializes in the investment of our customers and servicing them with manufacturing and operational solutions.

Technical Expertise | Manufacturing Capabilities and Flexibility
Quality Products | Innovative Solutions | Local Logistics

The HYDRITE Advantage

Chemical Experts

Our team is experienced and dedicated to providing technical support and services that help maximize efficiency and profitability all while maintaining or enhancing the quality of your end-product. Partner with Hydrite to see how our people make the difference.

Customized Programs

Every plant is unique and we understand that. We customize a solution for each location and application. Contact us today to learn more about our quality products, services, technology, and solutions.

Quality Focus

We understand how important it is to protect your brand and maintain the trust your customers place in you. Let us help you by delivering a quality solution at the most efficient cost.

Customer Service

At Hydrite, we form partnerships with our customers and provide them with the best possible and most efficient operational solution. Contact us today to see how we are different.

Supportive Approach

We feature a variety of creative solutions designed to lower operating costs, improve efficiency, and help you protect your brand. Join the many satisfied Hydrite customers that have experienced the Hydrite Advantage.

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